

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (original). A method for incubating *Pleurotus nebrodensis* characterized by inoculation and cultivation of an inoculum of *P. nebrodensis* in which the temperature is maintained uniformly in the early-cultivating stage, decreased in the mid-cultivating stage and increased in the late-cultivating stage that allow the mycelium to proliferate and generate fruiting bodies.

Claim 2 (original). A method for incubating *Pleurotus nebrodensis* characterized by an inoculation and cultivation of *P. nebrodensis* in a culture medium to allow mycelium proliferation and generation of fruiting bodies in which low temperature is maintained uniformly in the former-generating stage and increased in the latter-generating stage.

Claim 3 (original). A method for incubating *Pleurotus nebrodensis* characterized by inoculating and cultivating *Pleurotus nebrodensis* in a culture medium that allows mycelium to proliferate over the culture medium and generate fruiting bodies in which the temperature is maintained uniformly in the early-cultivating stage, decreased in the mid-cultivating stage, sharply increased in the latter-generating stage and low temperature maintained in the former generating stage and increased in the latter generating stage.

Claim 4 (currently amended). The A method for incubating *Pleurotus nebrodensis* according to claim 1 ~~using any method from claim 1 through 3~~ and in addition dispensing an electric impulse between 5 and 60 kV after the cultivation stage.

Claim 5 (currently amended). The A method for incubating *Pleurotus nebrodensis* according to claim 1 ~~consistent with those of claim 1 through 3~~ wherein the temperature of the early cultivating stage is 16 to 24°C, the temperature of the mid-cultivating stage 6 to 14°C and the late cultivating stage 26 to 34°C.

Claim 6 (currently amended). The A method for incubating *Pleurotus nebrodensis* ~~consistent with~~ according to claim 5 wherein the duration of the early-cultivation stage is 35 to 45 days, the mid-cultivation stage 5-15 days and the late-cultivation stage 5-15 days.

Claim 7 (currently amended). The A method for incubating *Pleurotus nebrodensis* ~~consistent~~ according to claim 1 or 3 in which the humidity is maintained at 65-75% in the cultivating stage.

Claim 8 (currently amended). The A method for incubating *Pleurotus nebrodensis* in accordance to claim 2 ~~or 3~~ wherein the temperature of the former generating stage is -5 to +3°C and the temperature of the latter-generating stage is 14 to 22°C.

Claim 9 (currently amended). The A method for incubating *Pleurotus nebrodensis* according to claim 8 in which during the generating stage the temperature is increased by 2 steps.

Claim 10 (currently amended). The A method for incubating *Pleurotus nebrodensis* according to claim 2 ~~or 3~~, wherein in the generating stage, humidity is maintained between 75-85% and then increased to 90-100% at the same time the temperature is increased.

Claim 11 (currently amended). ~~The~~ A method for incubating *Pleurotus nebrodensis* according to claim 2 ~~or~~ 3 wherein in the generating stage, the carbon dioxide level and/or illumination light intensity is increased at the same time as increasing temperature.

Claim 12 (currently amended). ~~The~~ A method for incubating *Pleurotus nebrodensis* according to claim 2 ~~or~~ 3 in which during generation, the dead bacterial layer is removed before increasing temperature.

Claim 13 (currently amended). A method for incubating *Pleurotus nebrodensis* comprising of steps (a) to (d):

- (a) a A step for inoculating an inoculum of *Pleurotus nebrodensis* in a culture medium;
- (b) a A step for an incubation at a temperature of 20-30°C whereby allowing the mycelium to proliferate over the culture medium after step (a);
- (c) a A step for giving an electric impulse at 5 to 60 kV after step (b); and,
- (d) a A step for generating fruiting bodies at a temperature of 10-20°C after step (c).

Claim 14 (currently amended). The A method for incubating *Pleurotus nebrodensis* according to claim 13 in which the step (d), the temperature is temporarily decreased at -1 to 2°C and then increased at 10-20° C.

Claim 15 (original). A disease preventing/treating agent which contains *P. nebrodensis* as a main ingredient.

Claim 16 (currently amended). The A disease preventing/treating agent consistent to claim 15 comprised of a dried powder of *Pleurotus nebrodensis* and/or its hot water extract.

Claim 17 (currently amended). The A disease preventing/treating agent according to claim 15 in which the disease is one or more of the following: hypertension, hyperlipidemia and obesity.

Claim 18 (new). The method for incubating *Pleurotus nebrodensis* according to claim 2 and in addition dispensing an electric impulse between 5 and 60 kV after the cultivation stage.

Claim 19 (new). The method for incubating *Pleurotus nebrodensis* according to claim 3 and in addition dispensing an electric impulse between 5 and 60 kV after the cultivation stage.

Claim 20 (new). The method for incubating *Pleurotus nebrodensis* according to claim 2 wherein the temperature of the early cultivating stage is 16 to 24°C, the temperature of the mid-cultivating stage 6 to 14°C and the late cultivating stage 26 to 34°C.

Claim 21 (new). The method for incubating *Pleurotus nebrodensis* according to claim 3 wherein the temperature of the early cultivating stage is 16 to 24°C, the temperature of the mid-cultivating stage 6 to 14°C and the late cultivating stage 26 to 34°C.

Claim 22 (new). The method for incubating *Pleurotus nebrodensis* ~~consistent~~ according to claim 3 in which the humidity is maintained at 65-75% in the cultivating stage.

Claim 23 (new). The method for incubating *Pleurotus nebrodensis* in accordance to claim 3 wherein the temperature of the former generating stage is  $-5$  to  $+3^{\circ}\text{C}$  and the temperature of the latter-generating stage is  $14$  to  $22^{\circ}\text{C}$ .

Claim 24 (new). The method for incubating *Pleurotus nebrodensis* according to claim 23 in which during the generating stage the temperature is increased by 2 steps.

Claim 25 (new). The method for incubating *Pleurotus nebrodensis* according to claim 3, wherein in the generating stage, humidity is maintained between 75-85% and then increased to 90-100% at the same time the temperature is increased.

Claim 26 (new). The method for incubating *Pleurotus nebrodensis* according to claim 3 wherein in the generating stage, the carbon dioxide level and/or illumination light intensity is increased at the same time as increasing temperature.

Claim 27 (new). The method for incubating *Pleurotus nebrodensis* according to claim 3 in which during generation, the dead bacterial layer is removed before increasing temperature.